

REMARKS

Reconsideration and allowance of the subject application in view of the following remarks is respectfully requested.

Claims 1-15 remain pending in the application and are resubmitted for reconsideration.

Claims 1, 3-6, 8-11 and 12-15 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,214,419 to DeMond et al. in view of U.S. Patent No. 5,600,766 to Deckys et al. This rejection is respectfully traversed specially for the reason that neither DeMond et al. nor Deckys et al. teach or disclose means for selecting (legend 42) as claimed.

As recited in independent claims 1, 6 and 11, the claimed invention is directed to a projector which is capable of saving and displaying a user-defined log or the image from the image source. Besides, the logo is capable of being redefined by the user and later saved in a memory device. Once the user-defined log is determined, the logo will be transmitted from the display buffer 43 to the non-volatile memory 50 and therefore saved. When the logo is going to be displayed, the logo image will be transmitted to the FIFO buffer 45 (or frame buffer as recited in the claim 1). The associated configuration and related parameters of the user-defined logo is sent to the CPU 41. The mapping device 44 is implemented to associate the non-volatile memory 50 and the FIFO buffer 45 to send the image of logo to the MUX 42 which is the means for selecting video signals (the image stored in the display buffer 43 of the logo image registered in the FIFO buffer 45) to a LCD panel display.

U.S. Patent 5,214,419 to DeMond et al. is directed to a planarized true three dimensional display which provides a three dimensional image. During the processes of DeMond et al., digital codes which are representative of the chrominance and luminance information of each pixel of an image are firstly loaded into the buffer memory 150 (see Figure 3 and column 9, lines 42-53). In the further processes, the video information stored in the buffer memory 150 is decoded by the CPU 154. The CPU 154 is programmed to extract and modify images from the information stored in the buffer memory 50. After the image extraction process, the image including chrominance and luminance is stored in the video memory 160. DeMond et al. further teach that the buffer memory 150 and the video memory could be constructed as a single memory (see Figure 3 and

column 10, lines 25-35). In this case, both the buffer memory 150 and the video memory 160 are for storing image data from the signal source 140.

However, the display buffer 43 and the non-volatile memory 50 along with FIFO buffer 45 of the claimed invention are for different purposes. The display buffer 43 is for storing image (same as the video memory 160 of DeMond et al.). The non-volatile memory is for storing the user-defined logo which is different to the image from the image source. The Display buffer 43 and the non-volatile memory 50 could not be constructed as a single memory in this aspect.

Particularly, DeMond et al. do not teach or disclose the selecting means for outputting video signal to LCD panel display from the image of image source or the image of redefined logo. In DeMond et al., the data flow is a single stream. Firstly, the digital codes from the signal source are stored in the buffer memory. The CPU decodes the digital codes then stores the image to the video memory 160. The image stored within the memory 160 is transferred through bus 170 to the projection system 172 for display through an optical path 176 to display 178 (see Figures 1a-1d, 2a-2c, 3 and column 10, lines 37-53)

U.S. Patent No. 5,600,766 to Deckys et al. is directed to a method and apparatus for storing and displaying a power-on graphical image which is a video subsystem to individualize the computer. Deckys et al. teach to update the user-created bitmap file of logo into the flash update system and later load it to the display while the system is booting up. However, as aforementioned, Deckys et al. do not teach or disclose the buffer means for saving the video, the non-volatile memory for saving a user-defined logo and selecting means as recited in the claimed invention.

In view of the above, Applicants submit that DeMond et al. and Deckys et al. do not teach or disclose (1) buffer means for saving said video, (2) a non-volatile memory for saving a user-defined logo and (3) selecting means. Therefore, independent claims 1, 6 and 11 are patentable over DeMond et al. in view of Deckys et al..

Claims 2, 7 and 12 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,214,419 to DeMond et al. in view of U.S. Patent No. 5,600,766 to Deckys et al., and further in view of U.S. Patent No. 5,337,403 to Klingman.

Klingman teaches a digital signal processing method and apparatus

Serial No. 09/629,660

including a graphic template display which is for displaying combined data in an original format. However, as aforementioned, Deckys et al. do not teach or disclose the buffer means for saving the video, the non-volatile memory for saving a user-defined logo and selecting means as recited in the claimed invention.

Claims 2, 7, 12 are dependent from the patentable independent claims 1, 5 and 15, and are patentable for the reasons discussed above and further are patentable because they recite additional, important limitations and are patentable on their own merits.

For the reasons stated above, Applicants respectfully submit that independent claims 1, 6 and 11 along with the dependent claims are distinguishable over the applied art, and are not disclosed or taught or suggested by the cited art. Accordingly, withdrawal of the rejections of the pending claims is respectfully requested. Favorable consideration and prompt allowance are earnestly solicited and appreciated.

Should the Examiner believe anything further is desirable in order to place this application in better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number listed below.

All objections and rejections having been addressed, it is respectfully submitted that the present application should be in condition for allowance and a Notice to that effect is earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 CFR 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

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